

FILE 'HARRIS' ENTERED AT 14:12:41 ON 28 FEB 2003

FILE 'MEDLINE, BIOSIS, EMBASE, LIFESCI' ENTERED AT 14:11:17 ON 28 FEB 2003

111 42 S L112/ORTICOM-INDUCT (A) REFERENCE  
112 26 DUP REM L1 (16 DUPLICATES REMOVED)  
113 92 S GLUCOCORTICOID (A) INHIBIT (A) REFERENCE  
114 46 DUP REM L3 (46 DUPLICATES REMOVED)  
115 46 S L2 OR L3  
116 0 S L2 NOT L4  
117 46 DUP REM L5 (0 DUPLICATES REMOVED)  
118 4 S L7 AND MUTANT OF MUTATION A REM W/OUT  
119 1 S L7 AND ANXIETY  
120 1 S L7 AND HYPERACTIVITY  
121 2 S L7 AND DEPRESSION

FILE 'STINGWIDE' ENTERED AT 14:13:14 ON 28 FEB 2003

112 2 S TAIL (A) SUSPENSION (A) TEST

FILE 'MEDLINE, BIOSIS, EMBASE, CARLUS, LIFESCI' ENTERED AT 14:14:41 ON 28 FEB 2003

113 40 S L12  
114 51 S L13 AND ANXIETY  
115 184 S L12 AND DEPRESSION  
116 88 DUP REM L13 (88 DUPLICATES REMOVED)  
117 76 S L16 AND MOUSE  
118 1 S L17 AND DIAGNOSIS  
119 4356 S OPEN (A) FIELD (A) TEST  
120 1 S L19 AND CENTRAL (A) REGION  
121 631 S L19 AND ANXIETY  
122 243 DUP REM L21 (363 DUPLICATES REMOVED)  
123 6 S L22 AND REVIEW

FILE 'STINGWIDE' ENTERED AT 14:18:39 ON 28 FEB 2003

FILE 'MEDLINE, BIOSIS, EMBASE, LIFESCI, CARLUS' ENTERED AT 14:14:10 ON 28 FEB 2003

124 2 S L16 AND REVIEW

1. Index:  
13

Site: Search Text  
- identified with indexes and reports

14

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2. ANSWER 9 OF 24\*

MEDLINE

DATE 1994-04-14

AN 2002280930 MEDLINE

DN 00016601 PubMed ID: 12020124

TI Effects of thyroid hormone deficiency on behavior in rats similar with different predisposition to catalepsy.

AF Burkina N N; Muray V F; Al-Khina T A; Nizhkov V B; Masluchenko A V; Nikitov A V

CS Laboratory of Evolutionary Genetics, Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences, 10 Lavrentiev Avenue, Novosibirsk 630090, Russia.

SO PHYSIOLOGY AND BEHAVIOR, (2002 Apr 15) 75 (4) 733-7.

Journal code: 0191894. ISSN: 0031-9384.

CT United States

DT Journal; Article; [JOURNAL ARTICLE]

LA English

PS Priority Journals

EM 200212

ED Entered STN: 20020522

Last Updated on STN: 20021227

Entered Medline: 20021224

AB The effects of thyroidectomy on **anxiety**-related behavior in the elevated plus-maze test, locomotor activity, and defecation in the **open-field test** and duration of cataleptic freezing were studied in rats of two strains differing in predisposition to catalepsy: cataleptic strain GC and its ancestor strain Wistar. Total thyroxine level was significantly decreased in control GC rats compared to that in control Wistar rats. Control Wistar and GC rats did not differ either in the percentages of open-arm entries or the time spent therein in the elevated plus-maze test or in defecation score in the **open-field test**. At the same time, control Wistar rats showed more locomotor activity compared to control GC rats in the **open-field test**. Thyroid hormone deficiency did not affect the percentages of open-arm entries and the time spent therein in the elevated plus-maze test as well as defecation score in both strains. Thyroidectomy did not alter significantly locomotor activity in Wistar rats, but produced a nearly twofold increase in locomotor activity in GC rats. The most important finding is that thyroidectomy significantly increased the expression of catalepsy in Wistar rats, which points to a role of thyroid hormones in the regulation of predisposition to cataleptic reaction.

N 2002667510 MEDLINE  
DN 22315256 PubMed ID: 12427862  
TI Diminished anxiety- and **depression**-related behaviors in  
**mice** with selective deletion of the Tac1 gene.  
AU Bilkei-Gorzo Andras; Racz Ildiko; Michel Kerstin; Zimmer Andreas  
CS Laboratory of Molecular Neurobiology, Department of Psychiatry, University  
of Bonn, 53105 Bonn, Germany.  
SO JOURNAL OF NEUROSCIENCE, (2002 Nov 15) 22 (22) 10046-52.  
Journal code: 8102140. ISSN: 1529-2401.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200211  
ED Entered STN: 20021113  
Last Updated on STN: 20021212  
Entered Medline: 20021118  
AB The tachykinin neuropeptide substance P and its receptor neurokinin 1 have  
been implicated in the regulation of many physiological and pathological  
processes, including the control of emotional behaviors. The present study  
examines **mice** with a targeted deletion of the Tac1 gene, which  
encodes the neuropeptides substance P and neurokinin A, in animal models  
relevant to depressive illness and anxiety. In **depression**  
-related paradigms, Tac1-deficient **mice** were more active in the  
Porsolt's forced-swimming test and the **tail-suspension**  
**test**, and they did not become hyperactive after bulbectomy. Tac1  
mutant **mice** were also less fearful in several animal models of  
anxiety. They were more active and less affected by the light conditions  
in the central area of the open-field arena; they showed more social  
interactions in an aversive environment, they were more active in the open  
areas of an elevated zero-maze, and they had a reduced latency to feed in  
the Thatcher-Britton conflict paradigm. These results demonstrate that  
tachykinins are powerful mediators of **depression**-like or  
anxiety-related behaviors in **mice**. The tachykinin system  
therefore may play an important role in the regulation of emotional states  
and the development of anxiety disorders and **depression**